

OWNERS MANUAL



DECATM/724



WARNING: TO PREVENT ELECTRICAL SHOCK OR FIRE HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. BEFORE USING THIS APPLIANCE, READ THE OPERATING GUIDE FOR FURTHER WARNINGS.

GENERAL DESCRIPTION

The DECA™/724 provides an innovative approach to audio amplification by utilizing next generation Digital Energy Conversion technology, the result of a dedicated effort to merge the advantages of high-speed digital computer electronics, high-efficiency semiconductor devices and electro-magnetic energy conversion technology. The amplifier system has been designed for commercial duty amplification where performance, reliability and long life are foremost requirements. Professional design, specifications and in-process quality checks combine to produce an amplifier with outstanding performance at a reasonable price.

This compact powerful system features a digital version of Peavey's DDT™ (Distortion Detection Technique) compression circuitry that electronically senses increased distortion levels well in advance of clipping and engages a specially designed circuit which virtually eliminates the possibility of driving the amplifier into distortion beyond approximately 1.0% THD. This DDT compression circuit may be disengaged on each channel independently if desired via the slide switches on the rear panel.

The DECA/724 amplifier is a highly efficient (approximately 90% at all output levels) power transfer system capable of delivering up to 350 watts RMS per channel continuously to a 4 ohm load without the use of massive heat sinks to insure low operating temperatures in any given environment. In the event of abnormal load conditions or inadvertent misuse, the system is equipped with complete and independent thermal, short-circuit and overload protection against amplifier system failure. In addition, the DECA/724 has built-in protection circuitry in each channel to instantaneously sense any hazardous output conditions which might harm speaker systems. The advent of abnormal DC voltages on the output terminals engages special output protection circuitry which disconnects the channel output from the speaker load until the fault is corrected. All thermal, short-circuit and output line faults have corresponding LED indicators on the front panel.

As a home hi-fi amplifier, the Peavey DECA/724 is an unmatched stereo power amp. However, a word of warning should be given concerning the choice of the speaker system used. A true 350 watts per channel can easily overpower many home loudspeaker systems.

The operation of the DECA/724 is essentially straightforward and will present no difficulties in most applications. Our exclusive DDT compression circuitry enables the total system to enjoy freedom from most of the commonly encountered headroom problems with power amplifiers. The DECA/724 is another step in the continuing struggle to provide one of the most competitive professional power amplifiers on the market on a dollar-per-watt/performance basis. Professional specifications, components, the latest semiconductors and contemporary design make the DECA/724 the obvious choice for demanding commercial/professional applications. Comparison of performance, features, construction, techniques, and quality of components with any of its competition will illustrate the excellence of this professional amplifier.

The new DECA/724 system is a stereo Digital Energy Conversion unit capable of high-efficiency energy transfer to various speaker load configurations with professional performance specifications. The Energy Conversion system is rated at 350 watts RMS per channel (both channels driven) into a 4 ohm load with less than 0.1% THD, and features a modified version of Peavey's patented DDT compression circuitry to minimize distortion due to clipping at the maximum energy transfer levels. Due to the nature of the design of the amplifier system, no transient intermodulation distortion can be introduced by the unit, even with very complex signals and at high signal levels.

INSTALLATION AND CONNECTION

The Peavey DECA/724 digital energy conversion amplifier is designed for durability in commercial installations and high-quality performance in studio and home applications. The DECA/724 is a dual channel power amplifier with each channel capable of delivering more than 350 watts RMS into a 4 ohm load. The amplifier is of the standard 19" rack mount configuration and requires forced air cooling to alleviate any abnormal thermal conditions. Where sustained high power operation is required, the amplifiers should be mounted in a standard 19" rack with one rack space (1 1/4") between each amplifier in the stack. The thermal protection for the power amplifier modules is engaged when inadvertent sustained high power usage endangers the output modules. Activation of this thermal protection is indicated by the "thermal fault" LED on the front panel. This fault is not fatal, however, and the amplifier is self-restarting in thermal condition. It should be noted that the fan pulls air from the rear, bottom and sides of the amplifier and exhausts the hot air through the front. It is for this reason that one rack space should be left between the units and an adequate air supply must be provided for the amplifiers. The internal fan must have a source of air that is not preheated by other equipment. If cooling is inadequate due to the low speed fan operation, preheated air or reduction of air flow, the internal thermal breaker may cause temporary shut-down of the amplifier. **Note:** Under no circumstances should the amplifier be operated while sitting on a flat surface without the supplied rubber feet since the amplifier requires proper ventilation for cooling. As a general rule, the cooler electronic equipment is operated, the longer its useful service life. You have invested in the finest equipment that money can buy and a little care will insure long and reliable operation. Most applications allow the amplifier to be mounted in any configuration and require no special considerations for abnormal thermal situations. However, an inadvertent short circuit or sustained high power usage could cause the internal thermal protection circuitry to engage. This situation is indicated by the front panel thermal fault indicators.

All input and output connections are made at the rear panel jacks. A discussion of the purpose and use of each of the rear panel jacks is provided in the "Rear Panel Operation" section of the manual.

OPERATION

The DECA/724 Digital Energy Conversion Amplifier is designed for maximum ease and flexibility of operation. When the unit is installed and connected as described in this manual, operation is simply turning on the main switch and setting the front panel sensitivity controls for the desired output level or until the front panel LED array indicates that the amplifier is delivering the desired amount of power.

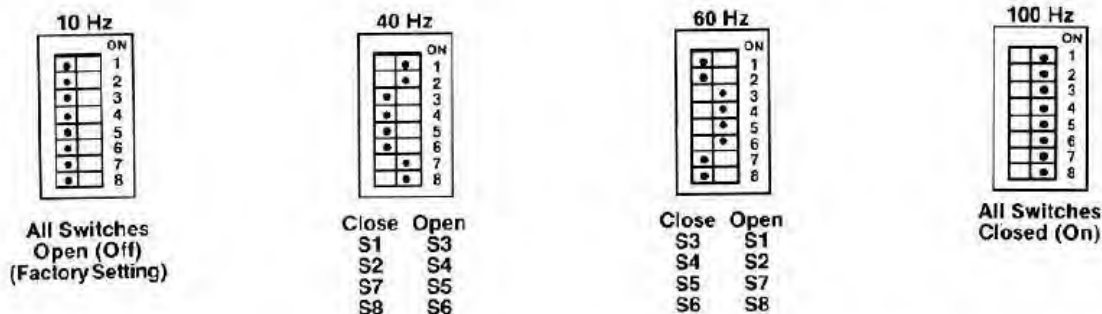
The DDT compression system enables the user to maximize the performance of the amplifier/speaker combination. Years of experience and research have determined compression circuitry should prevent the power amplifier from running out of headroom (clipping) and should be as simple to operate as possible to avoid undue complication for the user. The compression system senses conditions which indicate increased distortion well in advance of clipping and activate compression to prevent system overload. This unique implementation provides for the optimum power output with minimal distortion and with an increased dynamic headroom. Because of the dynamics of music and vocals, it is quite common to activate the compression circuitry virtually constantly during a performance since this is what it is designed to do; i.e., to maximize the dynamics available from the amplifier within its power output capabilities regardless of power supply/line voltage variations and load impedance selection.

NOTE:

In applications where extreme low frequency signal content degrades the performance of the sound system, precautions should be considered to eliminate these subsonic frequency components. Applications which fall into this category include:

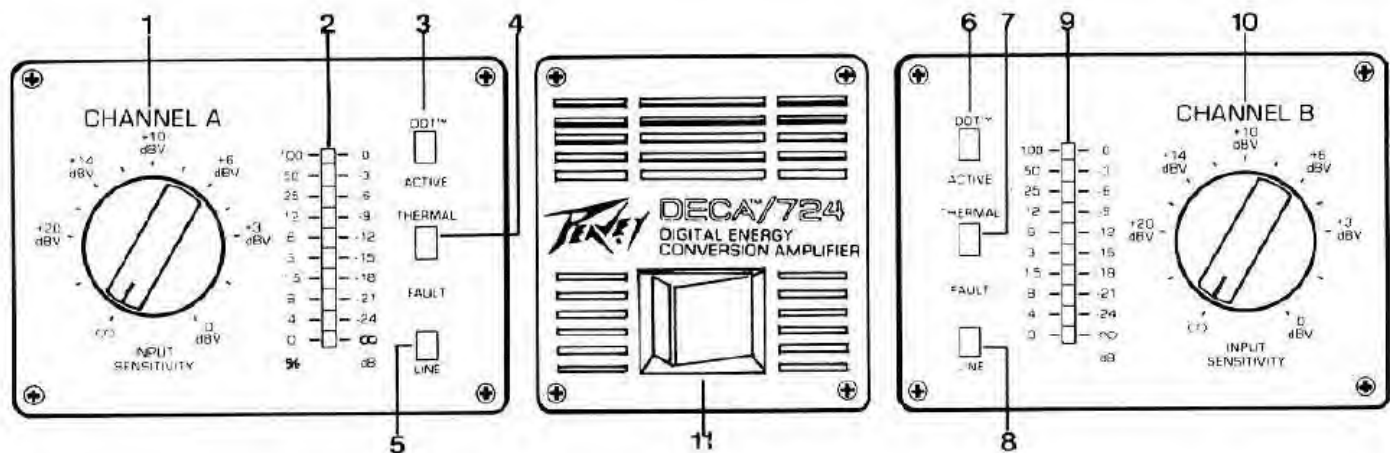
- Horn Loaded Speaker Enclosures
- Transformer Coupled Distributed Sound Systems
- Auto-Transformer Matched Systems
- High Efficiency Extended Range Systems
- Complex Crossover Systems

The DECA Series amplifiers have been provided with a selectable subsonic low frequency roll-off (high pass filter) on each of the DECA power modules. The roll-off frequencies can be selected internally via Dip Switch SW1 located on each Control Interface P.C. Board. The filter roll-off frequencies can be chosen as follows:



These high pass filters are *internal* and accessible only by removing the chassis cover. Any adjustment of the filter setting(s) must be done by an Authorized Peavey Dealer or Authorized Peavey Service Center.

The 40 Hz filter is recommended for most two or three way sound reinforcement systems, as this eliminates stage rumble and other subsonic material which can damage loudspeakers. Power amplifier headroom is also conserved when the 40 Hz filter is engaged.



FRONT PANEL

(1,10) Channel A and Channel B Input Sensitivity Control. The input sensitivity controls for each channel act as a master volume control permitting adjustment of the overall system gain to minimize hum and noise and still provide adequate headroom. The numbered dial indicates the sensitivity in volts necessary to attain full power with the control in that position. In the full clockwise position, the relative sensitivity is approximately 1.0 volts RMS (or +0 dBV) for full output power.

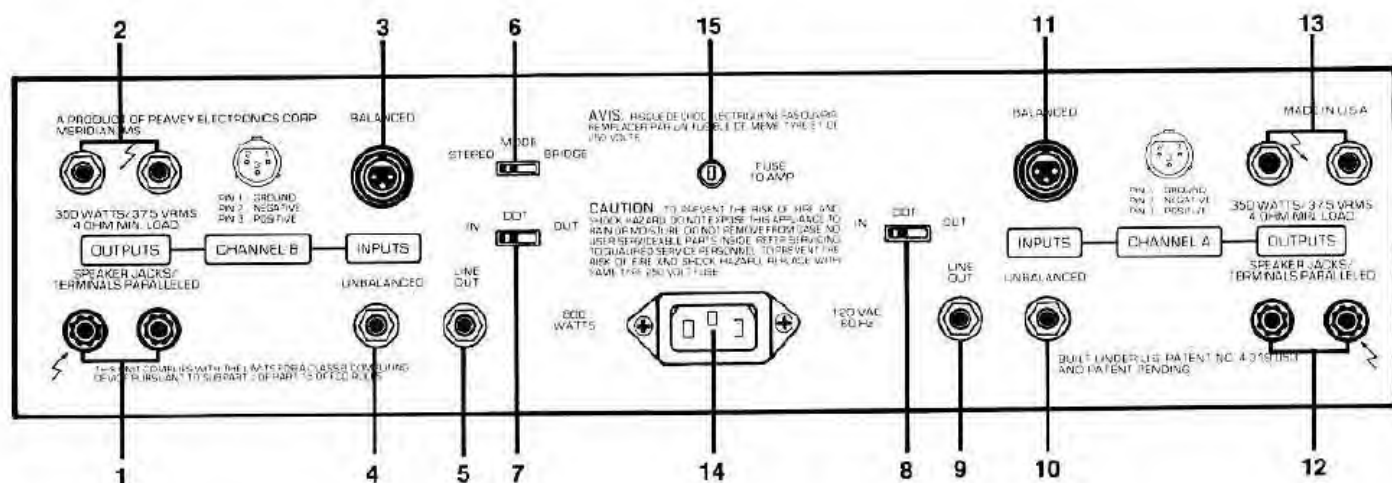
(2,9) The LED array indicators provide a visual display of the output power of the individual amplifiers in both percent of total power and available headroom. The bottom LED of each array will remain lit when AC power is applied to the amplifier and the amplifier is operating in the stereo mode. This will serve as a "Power On" indicator for the unit. When the amplifier is switched to "Bridge Mode" on the rear panel, the Channel B LED will no longer be lit, indicating that the operative control is now Channel A.

(3,6) The DDT active indicators provide a visual display of the compression operation. As long as gain reduction is occurring, the LED will continue to light, thereby giving a valuable indication of this unique compression function. The DDT compression may be defeated on each channel separately with the DDT defeat switch (7,8) on the rear panel. When the DDT compression is defeated, the front panel DDT indicator will no longer light, indicating that the DDT compression is no longer working. Care should be taken when this condition exists, since the amplifier can now be severely overdriven and much higher levels of power are available at the output jacks. This condition could be harmful to speaker systems.

(4,7) The Thermal Fault indicators provide a visual display of any interruption in operation due to thermal overload, and should a single channel overload thermally, the other channel will continue to function normally.

(5,8) The Line Fault indicators provide a visual display of any temporary interruption in each channel due to an output line fault (e.g., short circuit, DC voltage, transient suppression, over-current). The Line Fault indicators for each channel are independent and will remain lit as long as the fault exists. The fault protection circuitry will automatically restart approximately four seconds after the fault is cleared. It should be noted that since the amplifier protects against any turn-on transients, the Line Fault indicators will remain lit for approximately four seconds after AC power is applied to the amplifier. At this time, the Line Fault condition will be cleared and the line outputs will be enabled.

(11) The "On/Off" Switch is located on the front panel and is used to apply the AC mains power to the unit. When the amplifier is plugged into a suitable power source, activating this switch should light the lower LEDs on each channel's LED arrays. Failure of the LEDs to light may indicate the line fuse is blown or the power source is faulty.



REAR PANEL OUTPUT SECTION

Two types of output connections are provided on the rear panel of the power amplifier modules. The "Binding Post" outputs (1,12) of each channel of the amplifier are connected in parallel with the two "Phone Jack" outputs (2,13) of each channel of the amplifier. The minimum suggested load for the total parallel combination for each channel is 4 ohms. Care should be taken when lower impedance loads are used due to increased power demand placed on the amplifier. The amplifier is capable of delivering in excess of 350 watts RMS from each of these channel modules into 4 ohms. When operating in "Bridge Mode," the red binding post of each channel should be used as the output, and the signal source should be driven into the Channel A input.

Due to the high currents at full output, it is recommended that No. 16 or larger wire be used whenever possible. Smaller wire sizes will waste power and yield less than optimum performance. It is also suggested that in commercial and other non-portable applications, the binding posts (1, 12) be used instead of the $\frac{1}{4}$ " phone jacks. The binding posts are an industry standard and mating "banana plugs" are available from most electronic distributors. As with all electronic equipment, proper phasing of the outputs is important. A little time spent in correctly identifying the wiring could alleviate a lot of problems in the field.

INPUT SECTION

All input connections are made at the rear panel jacks. Shielded cables should be used to minimize hum and noise pickup. The nominal input impedance is 15K ohms, compatible with home stereo devices. The DECA/724 has an input sensitivity of 1.0 volts RMS (or +0 dBV) for rated output with the input sensitivity controls set at +0 dBV. This sensitivity decreases as the control is turned counterclockwise (CCW).

All inputs on the DECA/724 feature automatic signal ground lift capability. This minimizes the possibility of system ground loop hum by automatically lifting the input signal ground from chassis ground whenever hum-causing conditions are present.

(3,11) The Balanced Input "XLR" connectors provide an electronically-balanced input capability for truly differential input signals.

(4,10) The Unbalanced Input Phone Jack connectors provide a single ended input when balanced input is not required. For ease of use, however, the unbalanced input is implemented with a stereo phone jack so that it can also be used for the balanced input. In this configuration, the tip of the phone jack is the positive (in-phase) input and the ring is the negative input. **Note:** To minimize any grounding problems, always use Balanced inputs, either with the XLR connectors or the stereo phone jacks.

(5,9) The Line Out connector is provided for ease in connecting several amplifiers in parallel without the use of Y-type connections. **Note:** If a balanced input configuration is being used, a stereo phone jack should also be used in the Line Out connection to maintain the balanced configuration. In this case, the tip is the positive (in-phase) signal and the ring is the negative signal. To minimize any problems due to grounding, it may be desirable to connect the shield of the shielded cable only on the destination end.

(6/B side only) The Mode Switch is provided to select either Stereo Mode or Bridge Mode operation. Under normal operating conditions the Mode Switch should be in the "Stereo" position. Unless the amplifier is to be used in a commercial sound distribution system (70 volt line), the bridge mode should not be used. When in Bridge Mode, the Red binding posts on either side should be used as outputs, the Channel A inputs should be utilized and the Channel A Input Sensitivity control is the active control. It should be pointed out that for proper operation, both wires of the output must "float" above ground.

(7,8) The DDT Compression Defeat Switch is utilized to disengage the DDT compression on each channel separately. It should be noted that with DDT disengaged, the power output can exceed 350 watts per channel at a slightly higher distortion.

(14) The DECA/724 Power Connector is a heavy-duty IEC-type with a conventional AC plug with a ground pin. It should be connected to a circuit capable of at least 15 amps continuous or greater. If the socket used does not have a ground pin, a conventional adapter should be used and the third wire grounded properly. Never break off the ground pin on a line cord of the DECA/724. The use of extension cords should be avoided, but if necessary, always use a three-wire type with at least a No. 16 wire size. The DECA/724 is fused with a standard 10 amp fuse (15). Always replace with the same type and rating. Failure to do this could void the warranty.

SPECIFICATIONS

FREQUENCY RESPONSE:

10 Hz to 20 kHz +0/-1 dB @ 350 watts into 4 ohms
-3 dB @ 40 kHz, 350 Watts into 4 ohms, limited by
Bessel input filter

INSTANTANEOUS AVAILABLE POWER

(Headroom)
350 watts RMS per channel into 8 ohms
550 watts RMS per channel into 4 ohms

RATED POWER OUTPUT:

350 Watts RMS per channel into 4 ohms with less
than 0.1% Total Harmonic Distortion (Both channels
driven)
450 Watts RMS per channel into 4 ohms with less
than 0.3% Total Harmonic Distortion (Both channels
driven)
700 Watts RMS into 8 ohms (In bridge mode)

TOTAL HARMONIC DISTORTION*

Less than 0.1% (typically below 0.06% THD) @ 350
watts RMS per channel into 4 ohms
Less than 0.3% @ 450 watts RMS per channel into 4
ohms

TRANSIENT INTERMODULATION DISTORTION:

None Present (0% TIM)

OUTPUT SLEW RATE:

The amplifier output slew rate is internally con-
trolled to optimize phase linearity and improve tran-
sient response. Due to the nature of the amplifier
design and the internal signal conditioning circuitry,
it cannot slew-rate limit.

HUM & NOISE:

Greater than 95 dB below full power (20 Hz to 20
kHz)

INPUT SENSITIVITY:

1.0V RMS for 350 watts into 4 ohms

LOAD PROTECTION:

Relay protected at each output with instantaneous
turn off and 4 second turn on delay to prevent
unwanted system transients. Complete digital con-
trol shut-down activation for both amplifier protec-
tion and positive speaker protection.

THERMAL:

Independent automatic thermal channel shutdown
with front panel indicators.

LOAD IMPEDANCE:

4 ohms or greater (unconditionally stable into any
load configuration or any signal condition and level
at the input)

FRONT PANEL INDICATORS:

10 segment LED arrays indicating standby status
and percent power output level
DDT™ LED activation indicators
Thermal Fault LED activation indicators
Output Line Fault LED indicators (short circuit, DC,
etc.)

POWER CONSUMPTION:

800 watts, 120 VAC, 50/60 Hz (domestic model)

DIMENSIONS:

19" W x 3.5" H x 15" D

WEIGHT:

35 lbs

*DDT Disabled, measured at 1 kHz

CLASS B COMPUTING DEVICE: INFORMATION TO USER

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna
- relocate the equipment with respect to the receiver
- move the equipment away from the receiver
- plug the equipment into a different outlet so that the equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio-television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems"

This booklet is available from the US Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

DANGER

EXPOSURE TO EXTREMELY HIGH NOISE LEVELS MAY CAUSE A PERMANENT HEARING LOSS. INDIVIDUALS VARY CONSIDERABLY IN SUSCEPTIBILITY TO NOISE INDUCED HEARING LOSS, BUT NEARLY EVERYONE WILL LOSE SOME HEARING IF EXPOSED TO SUFFICIENTLY INTENSE NOISE FOR A SUFFICIENT TIME.

THE U.S. GOVERNMENT'S OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) HAS SPECIFIED THE FOLLOWING PERMISSIBLE NOISE LEVEL EXPOSURES:

DURATION PER DAY IN HOURS	SOUND LEVEL dBA, SLOW RESPONSE
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 or less	115

ACCORDING TO OSHA, ANY EXPOSURE IN EXCESS OF THE ABOVE PERMISSIBLE LIMITS COULD RESULT IN SOME HEARING LOSS.

EAR PLUGS OR PROTECTORS IN THE EAR CANALS OR OVER THE EARS MUST BE WORN WHEN OPERATING THIS AMPLIFICATION SYSTEM IN ORDER TO PREVENT A PERMANENT HEARING LOSS IF EXPOSURE IS IN EXCESS OF THE LIMITS AS SET FORTH ABOVE. TO INSURE AGAINST POTENTIALLY DANGEROUS EXPOSURE TO HIGH SOUND PRESSURE LEVELS, IT IS RECOMMENDED THAT ALL PERSONS EXPOSED TO EQUIPMENT CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS SUCH AS THIS AMPLIFICATION SYSTEM BE PROTECTED BY HEARING PROTECTORS WHILE THIS UNIT IS IN OPERATION.

CAUTION

THIS AMP/USER HAS BEEN DESIGNED AND CONSTRUCTED TO PROVIDE ADEQUATE POWER RESERVE FOR PLAYING MODERN MUSIC, WHICH MAY REQUIRE OCCASIONAL PEAK POWER TO HANDLE OCCASIONAL PEAK POWER. ADEQUATE POWER "HEADROOM" HAS BEEN DESIGNED INTO THIS SYSTEM. EXTENDED OPERATION AT ABSOLUTE MAXIMUM POWER LEVEL IS NOT RECOMMENDED SINCE THIS COULD DAMAGE THE ASSOCIATED SPEAKER SYSTEM. PLEASE BE AWARE THAT MAXIMUM POWER CAN BE OBTAINED WITH VERY LOW SETTINGS OF THE GAIN CONTROLS IF THE INPUT SIGNAL IS VERY STRONG.

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water, i.e. a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed (a) against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as a stove, heater, radiator or another heat producing appliance.

8. Connect only to a power supply of the type marked on the unit and plug into the power supply cord.
9. Never break off the ground pin on the power supply cord. For more information on grounding while for our free booklet "Shock Hazard and Grounding".
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag or an ammonia based household cleaner if necessary.

13. Care should be taken so that cords do not hang over the sides or become caught in the unit through the ventilation holes or any other openings.
14. This unit should be checked by a qualified service technician if:
 - A. The power supply cord or plug has been damaged.
 - B. Anything has fallen or been spilled into the unit.
 - C. The unit does not operate correctly.
 - D. The unit has been dropped or the enclosure damaged.
15. The user should not attempt to service this equipment. All service work should be done by a qualified service technician.

THIS LIMITED WARRANTY VALID ONLY WHEN PURCHASED AND REGISTERED IN THE UNITED STATES OR CANADA. ALL EXPORTED PRODUCTS ARE SUBJECT TO WARRANTY AND SERVICES TO BE SPECIFIED AND PROVIDED BY THE AUTHORIZED DISTRIBUTOR FOR EACH COUNTRY.

Ces clauses de garantie ne sont valables qu'aux Etats-Unis et au Canada. Dans tous les autres pays, les clauses de garantie et de maintenance sont fixées par le distributeur national et assurées par lui selon la législation en vigueur.

Diese Garantie ist nur in den USA und Kanada gültig. Alle Export-Produkte sind der Garantie und dem Service des Importeurs des jeweiligen Landes unterworfen.

Esta garantía es válida solamente cuando el producto es comprado en E.U. continentales o en Canada. Todos los productos que sean comprados en el extranjero, están sujetos a las garantías y servicio que cada distribuidor autorizado determine y ofrezca en los diferentes países.

ONE-YEAR LIMITED WARRANTY/REMEDY

PEAVEY ELECTRONICS CORPORATION ("PEAVEY") warrants this product, EXCEPT for covers, footswitches, patchcords, tubes and meters, to be free from defects in material and workmanship for a period of one (1) year from date of purchase. PROVIDED, however that this limited warranty is extended only to the original retail purchaser and is subject to the conditions, exclusions and limitations hereinafter set forth.

PEAVEY 90-DAY LIMITED WARRANTY ON TUBES AND METERS

If this product contains tubes or meters, Peavey warrants the tubes or meters contained in the product to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase. PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is also subject to the conditions, exclusions and limitations hereinafter set forth.

CONDITIONS, EXCLUSIONS AND LIMITATIONS OF LIMITED WARRANTIES

These limited warranties shall be void and of no effect if:

- The first purchase of the product is for the purpose of resale; or
- The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or
- The product has been damaged by accident or unreasonable use, neglect, improper service or maintenance, or other causes not arising out of defects in material or workmanship; or
- The serial number affixed to the product is altered, defaced or removed.

In the event of a defect in material and/or workmanship covered by this limited warranty, Peavey will:

- In the case of tubes or meters, replace the defective component without charge;
- In other covered cases (i.e., cases involving anything other than covers, footswitches, patchcords, tubes or meters), repair the defect in material or workmanship or replace the product, at Peavey's option;

and provided, however, that, in any case, all costs of shipping, if necessary, are paid by you, the purchaser.

THE WARRANTY REGISTRATION CARD SHOULD BE ACCURATELY COMPLETED AND MAILED TO AND RECEIVED BY PEAVEY WITHIN FOURTEEN (14) DAYS FROM THE DATE OF YOUR PURCHASE.

In order to obtain service under these warranties, you must:

- Bring the defective item to any AUTHORIZED PEAVEY DEALER or AUTHORIZED PEAVEY SERVICE CENTER and present therewith the ORIGINAL PROOF OF PURCHASE supplied to you by the AUTHORIZED PEAVEY DEALER in connection with your purchase from him of this product.
- If the DEALER or SERVICE CENTER is unable to provide the necessary warranty service you will be directed to the nearest other PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER which can provide such service.

OR

- Ship the defective item, prepaid, to:

PEAVEY ELECTRONICS CORPORATION
International Service Center
Highway 80 East
MERIDIAN, MS 39301

including therewith a complete, detailed description of the problem, together with a legible copy of the original PROOF OF PURCHASE and a complete return address. Upon Peavey's receipt of these items:

If the defect is remedial under these limited warranties and the other terms and conditions expressed herein have been complied with, Peavey will provide the necessary warranty service to repair or replace the product and will return it, FREIGHT COLLECT, to you, the purchaser.

Peavey's liability to the purchaser for damages from any cause whatsoever and regardless of the form of action, including negligence, is limited to the actual damages up to the greater of \$500.00 or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. Such purchase price will be that in effect for the specific product when the cause of action arose. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. Peavey does not assume liability for personal injury or property damage arising out of or caused by a non-Peavey alteration or attachment, nor does Peavey assume any responsibility for damage to interconnected non-Peavey equipment that may result from the normal functioning and maintenance of the Peavey equipment.

UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, ANY INCIDENTAL DAMAGES OR ANY CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

THESE LIMITED WARRANTIES ARE IN LIEU OF ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE; PROVIDED, HOWEVER, THAT IF THE OTHER TERMS AND CONDITIONS NECESSARY TO THE EXISTENCE OF THE EXPRESS, LIMITED WARRANTIES, AS HEREINABOVE STATED, HAVE BEEN COMPLIED WITH, IMPLIED WARRANTIES ARE NOT DISCLAIMED DURING THE APPLICABLE ONE-YEAR OR NINETY-DAY PERIOD FROM DATE OF PURCHASE OF THIS PRODUCT.

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THESE LIMITED WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

THESE LIMITED WARRANTIES ARE THE ONLY EXPRESS WARRANTIES ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.

In the event of any modification or disclaimer of express or implied warranties, or any limitation of remedies, contained herein conflicts with applicable law, then such modification, disclaimer or limitation, as the case may be, shall be deemed to be modified to the extent necessary to comply with such law.

Your remedies for breach of these warranties are limited to those remedies provided herein and Peavey Electronics Corporation gives this limited warranty only with respect to equipment purchased in the United States of America.

INSTRUCTIONS — WARRANTY REGISTRATION CARD

1. Mail the completed WARRANTY REGISTRATION CARD to:

PEAVEY ELECTRONICS CORPORATION
POST OFFICE BOX 2898
MERIDIAN, MISSISSIPPI 39302-2898

- a. Keep the PROOF OF PURCHASE. In the event warranty service is required during the warranty period, you will need this document. **There will be no identification card issued by Peavey Electronics Corporation.**
2. IMPORTANCE OF WARRANTY REGISTRATION CARDS AND NOTIFICATION OF CHANGES OF ADDRESS:
 - a. Completion and mailing of WARRANTY REGISTRATION CARDS — Should notification become necessary for any condition that may require correction, the REGISTRATION CARD will help ensure that you are contacted and properly notified.
 - b. Notice of address changes — If you move from the address shown on the WARRANTY REGISTRATION CARD, you should notify Peavey of the change of address so as to facilitate your receipt of any bulletins or other forms of notification which may become necessary in connection with any condition that may require dissemination of information or correction.
 3. You may contact Peavey directly by telephoning (601) 483-5365.
 4. Please have the Peavey product name and serial number available when communicating with Peavey Customer Service.



Features and specifications are subject to change without notice.

PEAVEY ELECTRONICS CORPORATION / 711 A Street / Meridian, MS 39301 / U.S.A. / Telephone: (601) 483-5365 / Telex: 504115
©1989 Printed in U.S.A. #80301007

REV 01/89